



DUKE ENERGY CAROLINAS, LLC
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Charlotte, NC 28202

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August 31, 2010

Jocelyn Boyd, Chief Clerk of the Commission
Public Service Commission of South Carolina
P. O. Drawer 11649
Columbia, South Carolina 29211


RE: Duke Energy Carolinas, LLC
Docket No. 1989-9-E

Dear Jocelyn:

Pursuant to the Commission's Orders in the above captioned docket, enclosed for filing are the following reports for the month of July 2010:

1. Monthly Fuel Cost Report (Exhibit A).
2. Base Load Power Plant Performance Report (Exhibit B).

Should you have any questions regarding this matter, please contact Brian Franklin at 980.373.4465.

Sincerely,

Charles A. Castle

pa

Enclosures

cc: Office of Regulatory Staff
Dan Arnett, Chief of Staff
Shannon Hudson, Staff Attorney
Jeff Nelson, Staff Attorney
John Flitter

South Carolina Energy Users Committee
Scott Elliott, Esquire

Brian L. Franklin

DUKE ENERGY CAROLINAS
SUMMARY OF MONTHLY FUEL REPORT
SC Code Ann. §58-27-865 (Supp. 2009)

Line No.	Fuel Expenses:	July 2010
1	Fuel and fuel-related costs	\$ 213,252,263
2	Less fuel expenses (in line 1) recovered through intersystem sales (a)	<u>7,702,554</u>
3	Total fuel and fuel-related costs (line 1 minus line 2)	<u>\$ 205,549,710</u>
	MWH sales:	
4	Total system sales.	8,189,470
5	Less intersystem sales	<u>136,954</u>
6	Total sales less intersystem sales	<u>8,052,516</u>
7	Total fuel and fuel-related costs (¢/KWH) (c) (line 3/line 6)	<u>2.5526</u>
8	Current fuel and fuel-related cost component (¢/KWH) (per Schedule 4, Line 2 + Line 8)	<u>1.9653</u>
	Generation Mix (MWH):	
	Fossil (by primary fuel type):	
9	Coal	4,032,702
10	Biomass	1,250
11	Fuel Oil	44
12	Natural Gas	<u>211,334</u>
13	Total fossil	<u>4,245,330</u>
14	Nuclear 100%	5,310,696
15	Hydro - Conventional	91,485
16	Hydro - Pumped storage	<u>(112,051)</u>
17	Total hydro	<u>(20,567)</u>
18	Solar Distributed Generation	725
19	Total MWH generation	9,536,184
20	Less joint owners' portion	1,373,393
21	Adjusted total MWH generation	<u>8,162,791</u>
	(a) Line 2 includes:	
	Fuel from intersystem sales (Schedule 3)	\$ 7,672,036
	Fuel in loss compensation	30,518
	Total fuel recovered from intersystem sales	<u>\$ 7,702,554</u>

DUKE ENERGY CAROLINAS
DETAILS OF FUEL AND FUEL-RELATED COSTS
SC Code Ann. §58-27-865 (Supp. 2009)

Fuel and fuel-related costs:	July 2010
Steam Generation - FERC Account 501	
0501110 coal consumed - steam	\$ 149,163,866
0501222, 0501223 biomass/test fuel consumed (@ avoided fuel cost)	133,022
0501310 fuel oil consumed - steam	442,291
0501330 fuel oil light-off - steam	882,038
Total Steam Generation - Account 501	<u>150,621,217</u>
Environmental Costs	
0509000, 0557451 emission allowance expense	31,345
0502020, 030, 040 reagents expense	1,842,893
Emission allowance gains	(352,050)
Total Environmental Costs	<u>1,522,188</u>
Nuclear Generation - FERC Account 518	
0518100 burnup of owned fuel	22,472,443
0518600 nuclear fuel disposal cost	4,981,354
Total Nuclear Generation - 100%	<u>27,453,797</u>
Less joint owners' portion	7,119,977
Total Nuclear Generation - Account 518	<u>20,333,820</u>
Other Generation - FERC Account 547	
0547100 natural gas consumed	13,858,615
0547200 fuel oil consumed - CT	36,302
Total Other Generation - Account 547	<u>13,894,917</u>
Solar Distributed Generation @ Avoided Fuel Cost	35,593
Total fossil and nuclear fuel expenses included in base fuel component	186,407,734
Fuel related component of purchased and interchange power per Schedule 3	19,914,748
Fuel related component of purchased power (economic accrual)	<u>6,929,781</u>
Total fuel and fuel-related costs	<u>\$ 213,252,263</u>

DUKE ENERGY CAROLINAS
DETAILS OF FUEL AND FUEL-RELATED COSTS
SC Code Ann. §58-27-865 (Supp. 2009)

Other fuel expenses not included in
fuel and fuel-related costs:

July 2010

Net proceeds from sale of by-products	\$ 243,525
0501223 biomass avoided fuel cost excess	-
0518610 spent fuel canisters-accrual	224,822
0518620 canister design expense	344,276
0518700 fuel cycle study costs	51,808
Non-fuel component of purchased and interchanged power	7,077,629
Total other fuel expenses not included in fuel and fuel-related costs:	\$ 7,942,060
Less Solar Distributed Generation @ Avoided Fuel Cost	(35,593)
Adjusted total other fuel expenses not included in fuel and fuel-related costs:	\$ 7,906,467
Total FERC Account 501 - Total Steam Generation	150,621,217
Total FERC Account 518 - Total Nuclear Generation	20,954,726
Total FERC Account 547 - Other Generation	13,894,917
Total Reagents Expense	1,842,893
Total Gain/Loss from Sale of By-Products	243,525
Total Emission Allowance Expense	31,345
Total Gain/Loss from Sale of Emission Allowances	(352,050)
Total Purchased and Interchanged Power Expenses	33,922,158
Total Fuel, Fuel Related and Purchased Power Expenses	\$ 221,158,731

DUKE ENERGY CAROLINAS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA

JULY 2010

Schedule 3, SC, Purchases, Month
Exhibit A, Page 1 of 4

Purchased Power		Capacity		Non-Capacity		
Marketers, Utilities, Other	Total \$	MW	\$	MWH	Fuel \$	Non-Fuel \$
Alcoa Power Generating Inc.	112,800	-	-	1,860	68,808	43,992
Associated Electric Cooperative Inc.	25,400	-	-	900	15,494	9,906
Blue Ridge Electric Membership Corp.	2,438,939	86	1,041,291	52,867	852,565	545,083
Calpine Power Services Marketing	1,209,631	-	-	20,620	737,875	471,756
Cargill Power Marketers LLC	261,354	-	-	8,732	159,426	101,928
City of Kings Mtn	8,979	3	8,979	-	-	-
Cobb Electric Membership Corp.	7,876	-	-	214	4,804	3,072
Constellation	80,305	-	-	2,053	48,986	31,319
Haywood Electric	492,002	20	195,339	9,500	180,965	115,698
Lockhart Power Co.	19,272	7	19,272	-	-	-
MISO	295	-	-	-	180	115
Morgan Stanley Capital Group	3,465	-	-	99	2,114	1,351
NCEMC load following	7,722	-	-	772	3,877	3,845
NCMPA #1	2,824,476	-	-	42,311	1,385,772	1,438,704
Piedmont Electric Membership Corp.	1,253,593	42	521,818	26,882	446,383	285,392
PJM Interconnection LLC	9,201,742	-	-	192,238	5,613,063	3,588,679
Progress Energy Carolinas	173,400	-	-	4,400	105,774	67,626
Rutherford Electric Membership Corp.	30,864	-	-	1,299	(5,960)	36,824
Sequent Energy Management	(74,318)	-	-	-	(74,318)	-
SC Electric & Gas	39,213	-	-	600	25,717	13,496
Southern	1,792,111	-	-	32,128	1,093,188	698,923
SPCO - Rowan	6,636,986	456	1,359,984	83,715	5,206,400	70,602
The Energy Authority	1,114,124	-	-	23,509	679,616	434,508
Town of Dallas	584	-	584	-	-	-
Town of Forest City	20,148	7	20,148	-	-	-
TVA	405,987	-	-	6,406	247,652	158,335
Generation Imbalance	431,112	-	-	9,308	253,806	177,306
Energy Imbalance - Purchases	331,864	-	-	4,042	202,437	129,427
Energy Imbalance - Sales	(120,276)	-	-	-	(101,609)	(18,667)
\$ 28,729,650		621	\$ 3,167,415	524,455	\$ 17,153,015	\$ 8,409,220

Purchased Power		Capacity		Non-Capacity		
Cogen, Purpa, Small Power Producers	Total \$	MW	\$	MWH	Fuel \$	Non-Fuel \$
203 Neotrantor LLC	101	-	-	1	-	101
Advantage Investment Group, LLC	5,272	-	-	73	-	5,272
AKS Real Estate Holdings LLC	25	-	-	-	-	25
Alamance Hydro, LLC	3,815	-	-	54	-	3,815
Amelia M Collins	51	-	-	1	-	51
Andrews Truss, Inc.	108	-	-	1	-	108
Anna L Reilly	63	-	-	1	-	63
Aquenergy Corp.	105,772	-	-	1,656	-	105,772
Barbara Ann Evans	927	-	-	26	-	927
Berjouhi Keshguerian	50	-	-	1	-	50
Bernd Schneitler	109	-	-	1	-	109
Biomerieux, Inc	1,782	-	-	20	-	1,782
Black Hawk Inc	115	-	-	1	-	115
Branch, James David Dr	109	-	-	2	-	109
Bruce Marotta	48	-	-	1	-	48
Byron P Matthews	29	-	-	-	-	29
Catawba County	45,571	-	-	1,292	-	45,571
Chapel Hill Tire Co	224	-	-	2	-	224
Cherokee County	3,817,683	-	1,289,315	48,696	2,263,026	265,342
Clark H Mizell	66	-	-	1	-	66
Cliffside Mills LLC	9,695	-	-	130	-	9,695
Converse Energy	17,290	-	-	265	-	17,290
Daniel L Kerns	331	-	-	4	-	331
Dave K Birkhead	18	-	-	-	-	18
David A Ringenburg	42	-	-	1	-	42
David E. Shi	36	-	-	1	-	36
David H Newman	70	-	-	1	-	70

JULY 2010

**Schedule 3, SC, Purchases, Month
Exhibit A, Page 2 of 4**

Purchased Power Cogen, Purpa, Small Power Producers	Total \$	Capacity		Non-Capacity		
		MW	\$	MWH	Fuel \$	Non-Fuel \$
David M Thomas	72	-	-	1	-	72
David W Walters	55	-	-	1	-	55
David Wiener	29	-	-	-	-	29
Decision Support	434	-	-	5	-	434
Delta Products Corp.	372	-	-	4	-	372
Diann M. Barbacci	24	-	-	-	-	24
Dirk J Spruyt	29	-	-	-	-	29
Earnhardt-Childress Racing Technologies, LLC	334	-	-	5	-	334
Edward W Witkin	25	-	-	-	-	25
Fogleman Construction, Inc	35	-	-	-	-	35
Frances L. Thomson	58	-	-	1	-	58
Gail D Schmidt	48	-	-	1	-	48
Gas Recovery Systems, LLC	141,109	-	-	2,138	104,995	36,114
George Franklin Fralick	24	-	-	-	-	24
Gerald Priebe	86	-	-	1	-	86
Gerald W. Meisner	76	-	-	1	-	76
Greenville Gas Producer, LLC	119,908	-	-	2,039	100,135	19,773
Gwenyth T Reid	53	-	-	1	-	53
H Malcolm Hardy	38	-	-	-	-	38
Haneline Power, LLC	5,336	-	-	69	-	5,336
Haw River Hydro Co	13,415	-	-	375	-	13,415
Hayden-Harman Foundation	26	-	-	-	-	26
Hendrik J Rodenburg	42	-	-	1	-	42
Henry Jay Becker	75	-	-	1	-	75
HMS Holdings Limited Partnership	343	-	-	6	-	343
Holzworth Holdings	8	-	-	-	-	8
Innovative Solar Solutions	43	-	-	1	-	43
Irvine River Company	29,685	-	-	366	-	29,685
Jafasa Farms	118	-	-	1	-	118
James B Sherman	49	-	-	1	-	49
James J Boyle	34	-	-	-	-	34
James Richard Trevathan	27	-	-	-	-	27
Jeffery Lynn Pardue	46	-	-	1	-	46
Jerome Levit	20	-	-	-	-	20
Jody Fine	22	-	-	-	-	22
Joel L. Hager	41	-	-	-	-	41
John B Robbins	127	-	-	1	-	127
John H. Diliberti	128	-	-	2	-	128
Keith Adam Smith	24	-	-	-	-	24
KMBA, LLC	120	-	-	1	-	120
Lamar Bailes	48	-	-	1	-	48
Laura J Ballance	85	-	-	1	-	85
Leon's Beauty School, Inc	486	-	-	6	-	486
Linda Alexander	29	-	-	-	-	29
Marilyn M Norfolk	39	-	-	1	-	39
Mark A Powers	20	-	-	-	-	20
Mary K Nicholson	43	-	-	1	-	43
Matthew T. Ewers	17	-	-	-	-	17
Mayo Hydro	35,720	-	-	572	-	35,720
Michael G Hitchcock	108	-	-	1	-	108
MP Durham, LLC	100,015	-	-	1,724	84,668	15,347
Mr Lawrence B Miller	39	-	-	1	-	39
Northbrook Carolina Hydro	213,647	-	-	3,295	-	213,647
Oenophilia	122	-	-	1	-	122
Optima Engineering	101	-	-	1	-	101
Pacifica HOA	51	-	-	1	-	51
Paul C Kuo	38	-	-	1	-	38
Paul G. Keller	43	-	-	1	-	43
Peter J Jarosak	19	-	-	-	-	19
Philip E Miner	68	-	-	1	-	68
Phillip B. Caldwell	38	-	-	-	-	38
Pippin Home Designs, Inc	23	-	-	-	-	23
PRS-PK Engines, LLC	131	-	-	2	-	131
R Lawrence Ashe Jr	53	-	-	1	-	53
Rajah Y Chacko	33	-	-	-	-	33

JULY 2010

**Schedule 3, SC, Purchases, Month
Exhibit A, Page 3 of 4**

Purchased Power		Capacity		Non-Capacity		
Cogen, Purpa, Small Power Producers	Total	MW	\$	MWH	Fuel \$	Non-Fuel \$
Rajendra Morey	68	-	-	1	-	68
Ramona L Sherwood	48	-	-	1	-	48
Raylen Vineyards Inc	159	-	-	2	-	159
Rebecca G Laskody	35	-	-	-	-	35
Rebecca T Cobey	14	-	-	-	-	14
Ron B Rozzelle	63	-	-	1	-	63
Ronald R Butters	64	-	-	1	-	64
Rousch & Yates Racing Engines, LLC	297	-	-	5	-	297
Russell Von Stein	24	-	-	-	-	24
Salem Energy Systems	140,113	-	-	2,102	-	140,113
Samuel B Moore	27	-	-	-	-	27
Samuel C Province	129	-	-	1	-	129
Scot Friedman	62	-	-	1	-	62
Shawn Slome	16	-	-	-	-	16
South Yadkin Power	5,054	-	-	68	-	5,054
Stanley Chamberlain	97	-	-	1	-	97
Steven Graf	59	-	-	1	-	59
Stewart A Bible	12	-	-	-	-	12
Strates Inc	75	-	-	1	-	75
Sun Capital, Inc	278	-	-	3	-	278
Sun Edison LLC	48,447	-	-	715	35,085	13,362
T.S. Designs, Inc.	111	-	-	1	-	111
The Rocket Shop, LLC	28	-	-	-	-	28
Theresa S Greene	19	-	-	-	-	19
Thomas Knox Worde	30	-	-	-	-	30
Thomas W Bates	45	-	-	1	-	45
Timberlyne	258	-	-	3	-	258
Town of Chapel Hill	19	-	-	-	-	19
Town of Lake Lure	38,980	-	-	732	-	38,980
W B Moore Co of Char	532	-	-	7	-	532
W. Jefferson Holt	127	-	-	1	-	127
Wallace & Graham PA	2,223	-	-	26	-	2,223
Walter C. McGervey	13	-	-	-	-	13
William Terry Baker	52	-	-	1	-	52
\$ 4,910,534		-	\$ 1,289,315	66,544	\$ 2,587,909	\$ 1,033,310
TOTAL PURCHASED POWER	\$ 33,640,184	621	\$ 4,456,730	590,999	\$ 19,740,924	\$ 9,442,530
INTERCHANGES IN						
Other Catawba Joint Owners	6,589,266	-	-	694,491	3,664,156	2,925,110
Total Interchanges In	6,589,266	-	-	694,491	3,664,156	2,925,110
INTERCHANGES OUT						
Other Catawba Joint Owners	(6,307,292)	(866)	(134,209)	(661,173)	(3,490,332)	(2,682,751)
Catawba- Net Negative Generation	-	-	-	-	-	-
Total Interchanges Out	(6,307,292)	(866)	(134,209)	(661,173)	(3,490,332)	(2,682,751)
Net Purchases and Interchange Power	\$ 33,922,158	(245)	\$ 4,322,521	624,317	\$ 19,914,748	\$ 9,684,889

DUKE ENERGY CAROLINAS
INTERSYSTEM SALES*
SOUTH CAROLINA

JULY 2010

Schedule 3, SC, Sales, Month
Exhibit A, Page 4 of 4

SALES	TOTAL CHARGES	CAPACITY		ENERGY		
		MW	\$	MWH	FUEL \$	NON-FUEL \$
Utilities:						
SC Public Service Authority - Emergency	\$ 54,303	-	\$ -	772	\$ 39,490	\$ 14,813
SC Electric & Gas - Emergency	109	-	-	-	-	109
Market Based:						
Cargill-Alliant, LLC	650,664	-	-	8,751	449,048	201,616
Cobb Electric Membership Corp	52,890	-	-	683	25,613	27,277
Constellation Power Sources	(19,500)	-	-	(250)	-	(19,500)
MISO	287,225	-	-	5,501	203,001	84,224
Morgan Stanley	27,000	-	-	300	20,480	6,520
NCEMC (Generator/Instantaneous)	262,092	25	125,000	2,171	107,119	29,973
NCMPA #1	436,654	50	216,500	2,890	145,165	74,989
NCMPA #1 - Rockingham	773,656	50	157,500	11,200	635,930	(19,774)
PJM Interconnection LLC	6,868,548	-	-	87,910	5,062,104	1,806,444
Power South Coop	5,100	-	-	75	3,469	1,631
Progress Energy Carolinas	108,000	-	-	1,520	91,822	16,178
SC Electric & Gas Market based	1,765,500	-	-	11,650	691,509	1,073,991
The Energy Authority	51,345	-	-	622	35,682	15,663
TVA	64,625	-	-	775	34,848	29,777
VEPCO	49,794	-	-	579	35,745	14,049
Other:						
Generation Imbalance	111,422	-	-	1,805	91,011	20,411
BPM Transmission	(752,880)	-	-	-	-	(752,880)
Total Intersystem Sales	\$ 10,796,547	125	\$ 499,000	136,954	\$ 7,672,036	\$ 2,625,511

* Sales for resale other than native load priority.

NOTE(S): Detail amounts may not add to totals shown due to rounding.

Duke Energy Carolinas
Over / (Under) Recovery of Fuel Costs
July 2010
SC Code Ann. §58-27-865 (Supp. 2009)

Line No.			Residential	Commercial	Industrial	Total
1	S.C. Retail kWh sales	Input	762,697,186	576,962,707	726,506,070	2,066,165,963
Base fuel component of recovery						
2	Billed base fuel rate (\$/kWh)	Input	1.9606	1.9606	1.9606	1.9606
3	Billed base fuel expense	L1 * L2 /100	\$14,953,441	\$11,311,931	\$14,243,878	\$40,509,250
4	Incurred base fuel rate (\$/kWh)	Input	2.4481	2.4481	2.4481	2.4481
5	Incurred base fuel expense	L1 * L4 / 100	\$18,671,590	\$14,124,624	\$17,785,595	\$50,581,809
6	Difference in \$/kWh (Billed - Incurred)	L2 - L4	(0.4875)	(0.4875)	(0.4875)	(0.4875)
7	Base fuel over/(under) recovery	L1 * L6 / 100	(\$3,718,149)	(\$2,812,693)	(\$3,541,717)	(\$10,072,559)
7a	Prior period adjustment expense _/1	Input				\$0
Environmental component of recovery						
8	Billed rates by class (\$/kWh)	Input	0.0047	0.0058	0.0038	0.0047
9	Billed environmental expense	L8 * L1 / 100	\$35,847	\$33,464	\$27,607	\$96,918
10	Incurred rate by class (\$/kWh)	Input	0.0199	0.0204	0.0154	0.0185
11	Incurred environmental expense	L10 * L1 / 100	\$152,050	\$117,978	\$111,603	\$381,631
12	Difference in \$/kWh (Billed - Incurred)	L8 - L10	(0.0152)	(0.0146)	(0.0116)	(0.0138)
13	Environmental over/(under) recovery	L9 - L11	(\$116,203)	(\$84,514)	(\$83,996)	(\$284,713)
13a	Prior period adjustment expense _/1	Input				\$0
Economic purchase component of recovery						
14	S.C. kWh sales % by class	L1 / L1T	36.91%	27.92%	35.16%	100.00%
15	Economic purchase accrual	L15T * L14	(\$656,392)	(\$496,545)	(\$625,245)	(\$1,778,182)
15a	Prior period adjustment expense _/1	Input	\$0	\$0	\$0	\$0
Total over/(under) recovery						
16	Current month	L7 + L13 + L15	(\$4,490,744)	(\$3,393,752)	(\$4,250,958)	(\$12,135,454)
16a	Current month w/adjustments	L16+(7a+13a+15a)	(\$4,490,744)	(\$3,393,752)	(\$4,250,958)	(\$12,135,454)
17	Cumulative over / (under) recovery	Cumulative	Residential	Commercial	Industrial	Total Company
	Balance ending May 2010 _/2	58,478,587				
	June	46,599,604	(3,621,374)	(3,269,493)	(4,988,116)	(11,878,983)
	July	34,464,150	(4,490,744)	(3,393,752)	(4,250,958)	(12,135,454)
	August					
	September					
	October					
	November					
	December					
	January					
	February					
	March					
	April					
	May					

_/1 Prior period adjustments recalculated using appropriate period sales; therefore, detail calculations not shown.

_/2 May 2010 ending balance shown is net of GRT - does not currently reflect the economic purchase adjustment for review period ended 5/31/2010.

DUKE ENERGY CAROLINAS
FUEL AND FUEL RELATED COST REPORT
July 2010

Description	Allen Steam	Belews Creek Steam	Buck Steam/CT	Buzzard Roost CT	Catawba Nuclear	Cliffside Steam	Dan River Steam/CT	Lee Steam/CT	Lincoln CT	Marshall Steam	McGuire Nuclear	Mill Creek CT	Oconee Nuclear	Riverbend Steam/CT	Rockingham CT	Current Month	Total 12 ME July 2010
Cost of Fuel Received																	
Coal (F)	\$16,564,388	\$26,981,336	\$6,307,453			\$3,440,032	\$2,773,003	\$4,231,547		\$24,224,460				\$1,015,368		\$85,537,588	\$1,175,372,751
Biomass	-	-	-			-	-	128,244		-						128,244	326,435
Fuel Oil	220,902	414,912	98,845	-		45,401	-	-		-				194,479	-	974,538	16,365,085
Gas	-	-	372	-		-	350	115,754	2,619,655	-		3,252,570		563	7,869,350	13,858,614	26,799,986
Total	\$16,785,290	\$27,396,247	\$6,406,670	\$0		\$3,485,433	\$2,773,353	\$4,475,545	\$2,619,655	\$24,224,460		\$3,252,570		\$1,210,410	\$7,869,350	\$100,498,984	1,218,864,257
Received (\$/MBTU) Avg																	
Coal	411.13	397.80	390.56			396.23	408.10	354.82		368.61				356.77		388.40	372.43
Biomass	-	-	-			-	-	522.81		-				-		522.81	467.83
Fuel Oil	1,538.64	1,564.94	1,563.25	-		1,486.12	-	-		-				1,538.11	-	1,549.54	1,531.92
Gas	-	-	-	-		-	-	748.68	549.02	-		553.26		-	-	569.19	494.73
Weighted Average	415.13	402.34	395.16	-		400.05	408.15	363.11	549.02	368.61		553.26		407.19	581.07	409.44	378.35
Cost of Fuel Burned(\$)																	
Coal (F)	\$21,414,441	\$49,291,428	\$7,718,037			\$12,494,426	\$4,783,470	\$6,817,276		\$39,498,384				\$7,146,404		\$149,163,866	\$1,352,768,446
Biomass	-	-	-			-	-	133,022		-						133,022	323,663
Fuel Oil	158,908	412,840	153,235	-		54,895	81,308	37,704		223,036				207,991	-	1,360,632	16,540,837
Gas	-	-	372	-		-	350	115,754	2,619,655	-		3,252,570		563	7,869,350	13,858,614	26,799,986
Nuclear	-	-	-		8,816,872	-	-	-	-	-	8,568,458			-	-	27,453,797	277,515,939
Total	\$21,573,349	\$49,704,268	\$7,871,644	\$0	\$8,816,872	\$12,549,321	\$4,865,128	\$7,103,756	\$2,650,370	\$39,721,420	\$8,568,458	\$3,252,570	\$10,068,467	\$7,354,958	\$7,869,350	\$191,969,931	\$1,673,948,671
Burned (\$/MBTU) Avg																	
Coal	399.76	400.29	387.84			377.24	382.72	358.73		344.24				357.24		376.70	362.22
Biomass	-	-	-			-	-	522.99		-				-		522.99	496.61
Fuel Oil	1,554.26	1,585.04	1,591.89	-		1,538.97	1,692.15	1,530.19	1,384.18	1,576.23				1,455.91	-	1,557.02	1,501.48
Gas	-	-	-	-		-	-	748.68	549.02	-		553.26		-	-	569.19	494.73
Nuclear	-	-	-		50.99	-	-	-	-	-	49.51		51.52	-	581.07	50.71	47.97
Weighted Average	401.96	402.79	393.65	-	50.99	378.49	387.76	365.47	552.89	345.76	49.51	553.26	51.52	365.06	581.07	199.38	174.63
Generated (\$/kWh) Avg																	
Coal	4.32	3.74	4.47			3.59	4.46	3.93		3.20				3.88		3.70	3.48
Biomass	-	-	-			-	-	10.64		-				-		10.64	7.41
Fuel Oil	-	-	(B)	(B)		-	(B)	INF.	17.86	-				-	-	INF.	(B)
Gas	-	-	-	-		-	-	8.23	7.07	-		6.86		(B)	6.27	6.56	5.73
Nuclear	-	-	-		0.52	-	-	-	-	-	0.51		0.52	-	-	0.52	0.49
Weighted Average	4.35	3.77	4.56	(B)	0.52	3.61	4.53	4.03	7.12	3.22	0.51	6.86	0.52	3.99	6.27	2.01	1.73
Burned MBTU's																	
Coal	5,356,853	12,314,069	1,990,024			3,312,078	1,249,854	1,900,395		11,474,036				2,000,438		39,597,747	373,465,549
Biomass	-	-	-			-	-	25,435		-				-		25,435	65,175
Fuel Oil	10,224	26,046	9,626	-		3,567	4,805	2,464	2,219	14,150				14,286	-	87,387	1,101,632
Gas	-	-	-	-		-	-	15,461	477,149	-		587,894		13	1,354,292	2,434,809	5,417,098
Nuclear	-	-	-		17,292,016	-	-	-	-	-	17,305,503		19,542,912	-	-	54,140,431	578,524,219
Total	5,367,077	12,340,115	1,999,650	-	17,292,016	3,315,645	1,254,659	1,943,755	479,368	11,488,186	17,305,503	587,894	19,542,912	2,014,737	1,354,292	96,285,809	958,573,673
Net Generation (mWh)																	
Coal	496,112	1,317,781	172,712			348,083	107,350	173,580		1,232,662				184,422		4,032,702	38,861,196
Biomass	-	-	-			-	-	1,250		-				-		1,250	4,370
Fuel Oil	-	-	(34)	(99)		-	(28)	33		-				-		44	(10,555)
Gas	-	-	-	-		-	-	1,407	37,053	-		47,424		(85)	125,535	211,334	467,921
Nuclear	-	-	-		1,700,712	-	-	-	-	-	1,682,901		1,927,083	-	-	5,310,696	57,158,406
Total	496,112	1,317,781	172,678	(99)	1,700,712	348,083	107,322	176,270	37,225	1,232,662	1,682,901	47,424	1,927,083	184,337	125,535	9,556,026	96,481,338
Cost of Reagents Burned (\$)																	
Ammonia	-	270,744	-			-	-	-		-				-		270,744	5,515,610
Limestone	185,847	402,078	-			-	-	-		628,111				-		1,216,036	13,998,881
Urea	1,365	-	4,860			330,749	-	-		19,138				-		356,113	4,682,122
Organic Acid	-	-	-			-	-	-		-				-		-	-
Total	187,212	672,821	4,860			330,749				647,249						1,842,893	24,196,613

(A) Detail amounts may not add to totals shown due to rounding.

(B) Cents/kWh not computed when costs and/or net generation is negative.

(C) Fuel costs based on recoverability unless otherwise noted. Data reflected at 100% ownership.

(D) Cost of fuel burned excludes \$31,345 associated with emission allowance expense for the month and \$513,327 for the twelve months ended.

(E) Twelve months ended total reflects biomass data included with Coal prior to 2010.

(F) Twelve months ended December 2009 forward reflects a change to fuel cost and associated data for coal/biomass in Sep09.

DUKE ENERGY CAROLINAS
FUEL AND FUEL RELATED CONSUMPTION AND INVENTORY REPORT
July 2010

Description	Allen Steam	Belews Creek Steam	Buck Steam/CT	Buzzard Roost CT	Cliffside Steam	Dan River Steam/CT	Lee Steam/CT	Lincoln CT	Marshall Steam	Mill Creek CT	Riverbend Steam/CT	Rockingham CT	Current Month	Total 12 ME July 2010
Coal Data:														
Beginning balance	466,609	1,003,482	34,462		314,719	33,693	68,909		712,188		175,146		2,809,208	4,182,807
Tons received during period	166,585	276,685	66,762		35,716	27,728	47,093		268,127		11,735		900,432	12,837,479
Moisture adjustments (H)	(3,278)	(797)	933		381	(71)	610		(4,233)		912		(5,543)	(9,444)
Tons burned during period (B) (H)	218,290	503,231	83,638		136,239	50,469	76,652		461,399		83,977		1,613,893	14,920,638
Ending balance	411,626	776,139	18,520		214,578	10,881	39,960		514,684		103,816		2,090,204	2,090,204
MBTUs per ton burned	24.54	24.47	23.79		24.31	24.76	24.79		24.87		23.82		24.54	25.03
Cost of ending inventory (\$/ton)	98.88	98.05	87.63		91.54	95.38	87.58		85.93		84.35		93.57	93.57
Biomass/Test Fuel Data:														
Beginning balance			381				224						605	614
Tons received during period			-				2,619						2,619	7,376
Inventory adjustments			-				(2)						(2)	(615)
Tons burned during period			-				2,716						2,716	6,868
Ending balance			381				126						507	507
Cost of ending inventory (\$/ton)			28.50				48.97						33.58	33.58
Fuel Oil Data:														
Beginning balance	64,491	236,434	339,602	1,536,309	53,433	198,185	619,080	8,714,798	313,328	3,936,789	205,457	2,254,372	18,472,278	18,990,509
Gallons received during period	103,772	192,771	45,750	-	22,173	-	-	-	-	-	91,432	-	455,898	7,739,586
Miscellaneous usage, transfers and adjustments	(4,796)	(9,707)	(2,650)	-	(5,820)	(1,980)	(2,312)	-	(26,368)	-	1,104	-	(52,529)	(506,928)
Gallons burned during period	73,897	189,376	69,652	-	25,894	34,896	17,829	19,197	102,310	-	103,303	-	636,354	7,983,874
Ending balance	89,570	230,122	313,050	1,536,309	43,892	161,309	598,939	8,695,601	184,650	3,936,789	194,690	2,254,372	18,239,293	18,239,293
Cost of ending inventory (\$/gal)	2.15	2.17	2.21	0.79	2.07	2.33	2.11	1.60	2.19	1.25	2.10	2.34	1.60	1.60
Gas Data: (C)														
Beginning balance														
MCF received during period			-	-		-	15,218	468,944		578,067	13	1,330,346	2,392,588	5,290,973
MCF burned during period			-	-		-	15,218	468,944		578,067	13	1,330,346	2,392,588	5,290,973
Ending balance														
Cost of ending inventory (\$/mcf)														
Limestone Data:														
Beginning balance	18,110	13,017			-				43,032				74,159	99,026
Tons received during period	7,483	29,477			4,328				14,089				55,377	495,625
Tons burned during period (B)	5,951	14,283			-				21,659				41,893	507,008
Ending balance	19,643	28,210			4,328				35,462				87,643	87,643
Cost of ending inventory (\$/ton)	31.23	28.16			25.15				29.00				29.04	29.04

(A) Detail amounts may not add to totals shown due to rounding.

(B) Twelve months ended includes aerial survey adjustment(s) reflected in the tons burned and cost of inventory lines for coal and limestone.

(C) Gas is burned as received; therefore, inventory balances are not maintained.

(D) Twelve months ended total reflects biomass data included with Coal prior to 2010.

(H) Twelve months ended December 2009 forward reflects a change for the correct placement of an inventory adjustment made in September 2009.

SCHEDULE 7

**DUKE ENERGY CAROLINAS
ANALYSIS OF COAL PURCHASES
July 2010**

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
ALLEN	SPOT	-	\$ -	\$ -
	CONTRACT	166,585	15,747,703.03	94.53
	ADJUSTMENTS	-	816,685.01	-
	TOTAL	166,585	16,564,388.04	99.44
BELEWS CREEK	SPOT	-	-	-
	CONTRACT	276,685	26,010,455.79	94.01
	ADJUSTMENTS	-	970,880.03	-
	TOTAL	276,685	26,981,335.82	97.52
BUCK	SPOT	-	-	-
	CONTRACT	66,762	6,115,750.58	91.60
	ADJUSTMENTS	-	191,702.76	-
	TOTAL	66,762	6,307,453.34	94.48
CLIFFSIDE	SPOT	-	(23,014.84)	-
	CONTRACT	35,716	3,397,338.20	95.12
	ADJUSTMENTS	-	65,709.00	-
	TOTAL	35,716	3,440,032.36	96.32
DAN RIVER	SPOT	-	-	-
	CONTRACT	27,728	2,701,861.72	97.44
	ADJUSTMENTS	-	71,140.95	-
	TOTAL	27,728	2,773,002.67	100.01
LEE	SPOT	-	-	-
	CONTRACT	47,093	4,148,785.58	88.10
	ADJUSTMENTS	-	82,761.14	-
	TOTAL	47,093	4,231,546.72	89.86
MARSHALL	SPOT	-	-	-
	CONTRACT	268,127	23,673,071.48	88.29
	ADJUSTMENTS	-	551,388.98	-
	TOTAL	268,127	24,224,460.46	90.35
RIVERBEND	SPOT	-	-	-
	CONTRACT	11,735	1,018,158.25	86.76
	ADJUSTMENTS	-	(2,790.00)	-
	TOTAL	11,735	1,015,368.25	86.52
ALL PLANTS	SPOT	-	(23,014.84)	-
	CONTRACT	900,432	82,813,124.63	91.97
	ADJUSTMENTS	-	2,747,477.87	-
	TOTAL	900,432	\$ 85,537,587.66	\$ 95.00

SCHEDULE 8

Duke Energy Carolinas
Analysis of Quality of Coal Received
July 2010

Station	<u>Percent Moisture</u>	<u>Percent Ash</u>	<u>Heat Value</u>	<u>Percent Sulfur</u>
Allen	6.75	12.16	12,093	0.99
Belews Creek	6.21	11.86	12,257	0.94
Buck	7.25	11.34	12,095	0.71
Cliffside	7.03	11.06	12,154	0.87
Dan River	6.51	11.47	12,253	0.72
Lee	6.11	9.35	12,662	0.90
Marshall	6.73	11.66	12,255	1.04
Riverbend	6.37	11.80	12,126	0.98

Schedule 9

Duke Energy Carolinas
Analysis of Cost of Oil Purchases
July 2010

Station	Allen	Belews Creek	Buck	Cliffside	Cliffside	Riverbend
Vendor	HighTowers	HighTowers	HighTowers	HighTowers	Ray Thomas	HighTowers
Spot / Contract	Contract	Contract	Contract	Contract	Spot	Contract
Sulfur Content %	0	0	0.03	0	0	0.01
Gallons Received	103,772	192,771	45,750	22,175	(2)	91,432
Total Delivered Cost	\$ 220,902.43	\$ 414,911.59	\$ 98,844.59	\$ 45,205.95	\$ 195.03	\$ 194,478.85
Delivered Cost/Gal	\$ 2.13	\$ 2.15	\$ 2.16	\$ 2.04	\$ (97.52)	\$ 2.13
BTU/Gallon	138,353	137,536	138,197	137,760	137,760	138,294

DUKE ENERGY CAROLINAS
POWER PLANT PERFORMANCE DATA
TWELVE MONTHS SUMMARY

August,2009 - July,2010

<u>Plant Name</u>	<u>Generation MWH</u>	<u>Capacity Rating MW</u>	<u>Capacity Factor %</u>	<u>Net Equivalent Availability %</u>
Oconee	20,455,815	2,538	92.01	90.00
McGuire	17,746,925	2,200	92.09	88.80
Catawba	18,955,666	2,258	95.83	93.60

Duke Energy Carolinas
Power Plant Performance Data
Twelve Month Summary
August 2009 through July 2010

Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Belews Creek 1	8,602,040	1,110	88.47	93.39
Belews Creek 2	5,880,702	1,110	60.48	70.47

Duke Energy Carolinas
Power Plant Performance Data
Twelve Month Summary
August 2009 through July 2010
Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Cliffside 5	2,546,490	562	51.73	66.55
Marshall 1	2,052,909	380	61.67	86.66
Marshall 2	1,945,358	380	58.44	84.94
Marshall 3	4,795,006	658	83.19	90.50
Marshall 4	4,847,785	660	83.85	90.97

**Duke Energy Carolinas
Power Plant Performance Data**

Schedule 10

Page 4 of 6

Exhibit A

**Twelve Month Summary
August 2009through July 2010
Other Cycling Coal Units**

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Allen 1	579,897	164	40.49	95.83
Allen 2	485,669	164	33.91	94.16
Allen 3	1,190,881	263	51.69	92.03
Allen 4	1,251,824	278	51.40	90.12
Allen 5	1,211,427	268	51.60	95.70
Buck 3	51,020	75	7.77	98.32
Buck 4	27,674	38	8.31	98.47
Buck 5	435,784	128	38.86	95.07
Buck 6	439,383	128	39.19	89.34
Cliffside 1	6,033	38	1.81	96.73
Cliffside 2	7,301	38	2.19	96.79
Cliffside 3	17,168	61	3.21	96.10
Cliffside 4	18,208	61	3.41	54.22
Dan River 1	71,150	67	12.12	93.50
Dan River 2	74,224	67	12.65	94.11
Dan River 3	305,000	142	24.52	89.78
Lee 1	188,310	100	21.50	92.21
Lee 2	200,132	100	22.85	91.63
Lee 3	547,747	170	36.78	93.71
Riverbend 4	188,935	94	22.94	96.49
Riverbend 5	176,159	94	21.39	96.69
Riverbend 6	353,511	133	30.34	93.15
Riverbend 7	367,839	133	31.57	91.61

Duke Energy Carolinas
Power Plant Performance Data
Twelve Month Summary
August,2009 through July,2010

Schedule 10

Page 5 of 6

Exhibit A

Combustion Turbines

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Buck CT	-375	75	100.00
Buzzard Roost CT	-1,358	194	100.00
Dan River CT	-389	63	82.13
Lee CT	1,818	82	98.91
Lincoln CT	52,143	1,264	99.83
Mill Creek CT	57,993	592	99.67
Riverbend CT	-962	87	85.16
Rockingham CT	348,496	825	92.15

Duke Energy Carolinas

Exhibit A
Schedule 10
Page 6 of 6

Power Plant Performance

12 Months Ended July 2010

Name of Plant	Generation (MWH)	Capacity Rating (MW)	Operating Availability (%)
Conventional Hydro Plants			
Bridgewater	67,480	23.000	97.97
Cedar Creek	176,381	45.000	98.99
Cowans Ford	196,168	325.000	98.44
Dearborn	163,900	42.000	97.76
Fishing Creek	175,598	49.000	97.64
Gaston Shoals	14,382	4.600	43.53
Great Falls	14,120	24.000	45.29
Keowee	81,954	157.500	97.18
Lookout Shoals	101,223	27.000	90.72
Mountain Island	139,799	62.000	96.87
Ninety Nine Island	78,735	18.000	60.33
Oxford	123,695	40.000	99.06
Rhodhiss	74,835	30.500	97.08
Rocky Creek	(924)	28.000	-
Tuxedo	18,208	6.400	60.56
Wateree	266,930	85.000	92.85
Wylie	178,001	72.000	97.05
Nantahala	194,717	50.000	95.66
Queens Creek	4,878	1.440	95.60
Thorpe	97,650	19.700	96.19
Tuckasegee	8,426	2.500	94.13
Tennessee Creek	42,801	9.800	80.52
Bear Creek	37,648	9.450	95.95
Cedar Cliff	28,124	6.380	95.98
Mission	3,429	1.800	85.09
Franklin	(9)	1.040	70.96
Bryson	448	1.040	79.01
Dillsboro	-	0.230	50.00
Total Conventional	<u>2,288,597</u>		
Pumped Storage Plants			
Jocassee	1,012,091	730.000	84.22
Bad Creek	<u>1,861,386</u>	1,360.000	93.32
Total	<u>2,873,477</u>		
Less Energy for Pumping			
Jocassee	(1,194,521)		
Bad Creek	<u>(2,359,025)</u>		
Total	<u>(3,553,546)</u>		
Total Pumped Storage			
Jocassee	(182,430)		
Bad Creek	<u>(497,639)</u>		
Total	<u>(680,069)</u>		

DUKE ENERGY CAROLINAS
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN

PERIOD: July, 2010

PLANT	UNIT	DATE OF OUTAGE	DURATION OF OUTAGE	SCHEDULED / UNSCHEDULED	CAUSE OF OUTAGE	REASON OUTAGE OCCURRED	REMEDIAL ACTION TAKEN
Oconee	1	None					
	2	None					
	3	None					
McGuire	1	None					
	2	None					
Catawba	1	None					
	2	None					

**Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan**

Exhibit B
Page 2 of 16

July 2010

Belews Creek Steam Station

Unit	Duration of Outage	Type of Outage	Cause of Outage	Reason Outage Occurred	Remedial Action Taken
02	6/30/2010 11:21:00 PM To 7/5/2010 2:51:00 AM	Sch	4611 GENERATOR HYDROGEN COOLERS	2 lp generator hydrogen cooler leak	
Unit	Duration of Outage	Type of Outage	Cause of Outage	Reason Outage Occurred	Remedial Action Taken
01	7/24/2010 3:50:00 AM To 7/26/2010 9:06:00 PM	Unsch	1060 FIRST REHEATER LEAKS	boiler tube leak, horizontal reheater	
Unit	Duration of Outage	Type of Outage	Cause of Outage	Reason Outage Occurred	Remedial Action Taken
01	7/26/2010 10:42:00 PM To 7/28/2010 10:41:00 PM	Unsch	4250 OTHER LOW PRESSURE TURBINE PROBLEMS	exhaust hood temps, not controlling, curve pipling	
Unit	Duration of Outage	Type of Outage	Cause of Outage	Reason Outage Occurred	Remedial Action Taken
01	7/29/2010 2:20:00 AM To 7/29/2010 5:30:00 AM	Unsch	3661 4000-7000 Volt Circuit Breakers	1TC NORMAL FAIL CLOSE	

DUKE ENERGY CAROLINAS
 BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
 July, 2010
 Oconee Nuclear Station

Exhibit B
 Page 3 of 16

	UNIT 1		UNIT 2		UNIT 3	
(A) MDC (MW)	846		846		846	
(B) Period Hours	744		744		744	
(C1) Net Gen (MWH) and Capacity Factor	637535	101.29	645117	102.49	644431	102.38
(D1) Net MWH Not Gen Due To Full Scheduled Outages	0	0.00	0	0.00	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	0	0.00	0	0.00	283	0.04
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	0	0.00	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-8111	-1.29	-15693	-2.49	-15290	-2.42
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00	0	0.00
* (G) Core Conservation	0	0.00	0	0.00	0	0.00
(H) Net MWH Possible In Period	629424	100.00 %	629424	100.00 %	629424	100.00 %
(I) Equivalent Availability		100.00		100.00		99.94
(J) Output Factor		101.29		102.49		102.38
(K) Heat Rate		10,222		10,105		10,097

*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
July, 2010
McGuire Nuclear Station

	UNIT 1		UNIT 2	
(A) MDC (MW)	1100		1100	
(B) Period Hours	744		744	
(C1) Net Gen (MWH) and Capacity Factor	845211	103.28	837690	102.36
(D1) Net MWH Not Gen Due To Full Scheduled Outages	0	0.00	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	0	0.00	0	0.00
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-26811	-3.28	-19290	-2.36
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	818400	100.00 %	818400	100.00 %
(I) Equivalent Availability		100.00		100.00
(J) Output Factor		103.28		102.36
(K) Heat Rate		10,238		10,329

*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
July, 2010
Catawba Nuclear Station

	UNIT 1		UNIT 2	
(A) MDC (MW)	1129		1129	
(B) Period Hours	744		744	
(C1) Net Gen (MWH) and Capacity Factor	849655	101.15	851057	101.32
(D1) Net MWH Not Gen Due To Full Scheduled Outages	0	0.00	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	0	0.00	27	0.00
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-9679	-1.15	-11108	-1.32
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	839976	100.00 %	839976	100.00 %
(I) Equivalent Availability		100.00		100.00
(J) Output Factor		101.15		101.32
(K) Heat Rate		10,174		10,161

*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

**Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan**

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July 2010

Belews Creek Steam Station

	<u>Unit 1</u>	<u>Unit 2</u>
(A) MDC (mw)	1,110	1,110
(B) Period Hrs	744	744
(C1) Net Generation (mWh)	656,431	661,350
(C1) Capacity Factor	79.49	80.08
(D1) Net mWh Not Generated due to Full Scheduled Outages	0	130,888
(D1) Scheduled Outages: percent of Period Hrs	0.00	15.85
(D2) Net mWh Not Generated due to Partial Scheduled Outages	0	0
(D2) Scheduled Derates: percent of Period Hrs	0.00	0.00
(E1) Net mWh Not Generated due to Full Forced Outages	129,223	0
(E1) Forced Outages: percent of Period Hrs	15.65	0.00
(E2) Net mWh Not Generated due to Partial Forced Outages	1,354	4,851
(E2) Forced Derates: percent of Period Hrs	0.16	0.59
(F) Net mWh Not Generated due to Economic Dispatch	38,832	28,751
(F) Economic Dispatch: percent of Period Hrs	4.70	3.48
(G) Net mWh Possible in Period	825,840	825,840
(H) Equivalent Availability	84.19	83.56
(I) Output Factor (%)	94.23	95.16
(J) Heat Rate (BTU/NkWh)	9,343	9,386

*Estimated

Footnote: (J) Includes Light Off BTU's

**Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan**

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**July 2010
Marshall Steam Station**

	Marshall 1	Marshall 2	Marshall 3	Marshall 4
(A) MDC (mWh)	380	380	658	660
(B) Period Hrs	744	744	744	744
(C1) Net Generation (mWh)	203,149	184,459	452,003	393,051
(D) Net mWh Possible in Period	282,720	282,720	489,552	491,040
(E) Equivalent Availability	86.66	84.48	99.98	86.77
(F) Output Factor (%)	82.46	81.78	92.33	92.09
(G) Capacity Factor	71.86	65.24	92.33	80.04

**Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan**

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**July 2010
Cliffside Steam Station**

Cliffside 5

(A) MDC (mWh)	562
(B) Period Hrs	744
(C1) Net Generation (mWh)	348,450
(D) Net mWh Possible in Period	418,128
(E) Equivalent Availability	96.99
(F) Output Factor (%)	89.14
(G) Capacity Factor	83.34

DUKE ENERGY CAROLINAS
 BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
 August, 2009 - July, 2010
 Oconee Nuclear Station

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	UNIT 1		UNIT 2		UNIT 3	
(A) MDC (MW)	846		846		846	
(B) Period Hours	8760		8760		8760	
(C1) Net Gen (MWH) and Capacity Factor	6325391	85.35	6720720	90.69	7409704	99.98
(D1) Net MWH Not Gen Due To Full Scheduled Outages	826500	11.15	715225	9.65	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	24326	0.33	5552	0.07	1757	0.02
(E1) Net MWH Not Gen Due To Full Forced Outages	329703	4.45	71005	0.96	169344	2.29
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-94960	-1.28	-101542	-1.37	-169845	-2.29
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00	0	0.00
* (G) Core Conservation	0	0.00	0	0.00	0	0.00
(H) Net MWH Possible In Period	7410960	100.00 %	7410960	100.00 %	7410960	100.00 %
(I) Equivalent Availability		84.10		88.74		97.16
(J) Output Factor		101.13		101.45		102.32
(K) Heat Rate		10,215		10,139		10,065

*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
August, 2009 - July, 2010
McGuire Nuclear Station

	UNIT 1		UNIT 2	
(A) MDC (MW)	1100		1100	
(B) Period Hours	8760		8760	
(C1) Net Gen (MWH) and Capacity Factor	8771842	91.03	8975083	93.14
(D1) Net MWH Not Gen Due To Full Scheduled Outages	897468	9.31	897600	9.32
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	32538	0.34	45815	0.48
(E1) Net MWH Not Gen Due To Full Forced Outages	181082	1.88	40128	0.42
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-246930	-2.56	-322626	-3.36
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	9636000	100.00 %	9636000	100.00 %
(I) Equivalent Availability		87.85		89.76
(J) Output Factor		102.51		103.18
(K) Heat Rate		10,210		10,155

*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
August, 2009 - July, 2010
Catawba Nuclear Station

	UNIT 1		UNIT 2	
(A) MDC (MW)	1129		1129	
(B) Period Hours	8760		8760	
(C1) Net Gen (MWH) and Capacity Factor	8826376	89.25	10129290	102.42
(D1) Net MWH Not Gen Due To Full Scheduled Outages	1043975	10.56	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	29111	0.29	1953	0.02
(E1) Net MWH Not Gen Due To Full Forced Outages	147560	1.49	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-156982	-1.59	-241203	-2.44
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	9890040	100.00 %	9890040	100.00 %
(I) Equivalent Availability		87.40		99.80
(J) Output Factor		101.47		102.42
(K) Heat Rate		10,075		10,027

*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

**Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan**

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August 2009 through July 2010

Belews Creek Steam Station

	<u>Unit 1</u>	<u>Unit 2</u>
(A) MDC (mw)	1,110	1,110
(B) Period Hrs	8,760	8,760
(C1) Net Generation (mWh)	8,602,040	5,880,702
(C1) Capacity Factor	88.47	60.48
(D1) Net mWh Not Generated due to Full Scheduled Outages	310,948	2,347,929
(D1) Scheduled Outages: percent of Period Hrs	3.20	24.15
(D2) Net mWh Not Generated due to Partial Scheduled Outages	22,267	16,538
(D2) Scheduled Derates: percent of Period Hrs	0.23	0.17
(E1) Net mWh Not Generated due to Full Forced Outages	249,325	453,676
(E1) Forced Outages: percent of Period Hrs	2.56	4.67
(E2) Net mWh Not Generated due to Partial Forced Outages	58,120	53,020
(E2) Forced Derates: percent of Period Hrs	0.60	0.55
(F) Net mWh Not Generated due to Economic Dispatch	480,901	971,735
(F) Economic Dispatch: percent of Period Hrs	4.95	9.99
(G) Net mWh Possible in Period	9,723,600	9,723,600
(H) Equivalent Availability	93.39	70.47
(I) Output Factor (%)	93.87	85.67
(J) Heat Rate (BTU/NkWh)	9,206	9,589

*Estimated

Footnote: (J) Includes Light Off BTU's

**Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan**

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August 2009 through July 2010

Marshall Steam Station

	Marshall 1	Marshall 2	Marshall 3	Marshall 4
(A) MDC (mWh)	380	380	658	660
(B) Period Hrs	8,760	8,760	8,760	8,760
(C1) Net Generation (mWh)	2,052,909	1,945,358	4,795,006	4,847,785
(D) Net mWh Possible in Period	3,328,800	3,328,800	5,764,080	5,781,600
(E) Equivalent Availability	86.66	84.94	90.50	90.97
(F) Output Factor (%)	81.87	80.49	91.05	91.72
(G) Capacity Factor	61.67	58.44	83.19	83.85

**Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan**

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August 2009 through July 2010

Cliffside Steam Station

Cliffside 5

(A) MDC (mWh)	562
(B) Period Hrs	8,760
(C1) Net Generation (mWh)	2,546,490
(D) Net mWh Possible in Period	4,923,120
(E) Equivalent Availability	66.55
(F) Output Factor (%)	83.03
(G) Capacity Factor	51.73

DUKE ENERGY CAROLINAS

Outages for 100MW or Larger Units

July,2010

Full Outage Hours					
	<u>Unit</u>	<u>MW</u>	<u>Scheduled</u>	<u>Unscheduled</u>	<u>Total</u>
Oconee	1	846	0.00	0.00	0.00
	2	846	0.00	0.00	0.00
	3	846	0.00	0.00	0.00
McGuire	1	1100	0.00	0.00	0.00
	2	1100	0.00	0.00	0.00
Catawba	1	1129	0.00	0.00	0.00
	2	1129	0.00	0.00	0.00

Duke Energy Carolinas
Outages for 100 mW or Larger Units
July 2010

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Unit Name	Capacity Rating (mW)	Full Outage Hours		Total Outage Hours
		Scheduled	Unscheduled	
Allen 1	162	43.00	0.00	43.00
Allen 2	162	31.50	0.00	31.50
Allen 3	261	17.50	0.00	17.50
Allen 4	276	18.08	65.22	83.30
Allen 5	266	0.00	27.97	27.97
Belews Creek 1	1,110	0.00	116.42	116.42
Belews Creek 2	1,110	117.92	0.00	117.92
Buck 5	128	0.00	19.10	19.10
Buck 6	128	106.80	38.40	145.20
Cliffside 5	562	0.00	18.75	18.75
Dan River 3	142	67.50	63.73	131.23
Lee 1	100	0.00	0.00	0.00
Lee 2	100	0.00	0.00	0.00
Lee 3	170	0.00	0.00	0.00
Marshall 1	380	0.00	95.68	95.68
Marshall 2	380	15.38	100.08	115.47
Marshall 3	658	0.00	0.00	0.00
Marshall 4	660	0.00	97.35	97.35
Riverbend 6	133	0.00	0.00	0.00
Riverbend 7	133	0.00	3.82	3.82
Rockingham CT1	165	0.00	4.92	4.92
Rockingham CT2	165	0.00	99.03	99.03
Rockingham CT3	165	0.00	5.32	5.32
Rockingham CT4	165	0.00	0.00	0.00
Rockingham CT5	165	0.00	0.00	0.00